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Search

Clear

Help

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DWPI	11	0	<u>L4</u>
DWPI	12	0	<u>L3</u>
USPT	11 adj12 (hematopoi\$4 or endothelial or vascul\$7)	1	<u>L2</u>
USPT	hedgehog or BMP-2 or BMP-4 or BMP2 or BMP4	446	<u>L1</u>

End of Result Set

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L6: Entry 1 of 1

File: DWPI

Jul 19, 2000

DERWENT-ACC-NO: 1998-447218
 DERWENT-WEEK: 200036
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TITLE: Stimulating differentiation of mesodermal cells to haematopoietic or vascular cells - by exposure to an equivalent, specifically hedgehog protein, of product of extra-embryonic tissue, for treating developmental abnormalities in utero, e.g. ischaemia, excessive vascular growth

INVENTOR: BARON, M H; BELAOUSSOFF, M ; FARRINGTON, S M

PATENT-ASSIGNEE:

ASSIGNEE	CODE
HARVARD COLLEGE	HARD

PRIORITY-DATA:

1997US-0049763	June 16, 1997
1997US-0037513	February 10, 1997

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1019490 A2	July 19, 2000	E	000	C12N005/00
WO 9835020 A2	August 13, 1998	E	076	C12N005/00

DESIGNATED-STATES: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE CA JP AT BE CH
 DE DK ES FI FR GB GR IE IT LU MC NL PT SE

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	APPL-DESCRIPTOR
EP 1019490A2	February 10, 1998	1998EP-0906314	N/A
EP 1019490A2	February 10, 1998	1998WO-US02633	N/A
EP 1019490A2	N/A	WO 9835020	Based on
WO 9835020A2	February 10, 1998	1998WO-US02633	N/A

INT-CL (IPC): A61K 38/18; A61K 48/00; C12N 5/00

ABSTRACTED-PUB-NO: WO 9835020A

BASIC-ABSTRACT:

A population of undifferentiated mesodermally derived cells (A) is stimulated to undergo haematopoiesis and/or vascular growth by providing them with a compound (I) that is functionally equivalent to a gene product expressed in extra-embryonic tissue. Also new are: (1) treating developmental errors (in vascular growth or haematopoiesis), in an embryo in utero, by exposure to (I); (2) treating conditions involving an abnormal number of erythroid cells by treating haematopoietic stem cells with (I); (3) treating ischaemia by treating the affected site with (I); (4) treating excessive vascular growth by treating with a hedgehog compound (II) that inhibits activity of (I); and (5) in vitro or in vivo assays for determining activity of compounds that modulate haematopoiesis and vascular growth.

USE - Method (2) is used to treat anaemia (idiopathic, constitutive or secondary aplastic; myelodysplastic; induced by virus, inflammation, cancer, drugs or organ failure); thrombocytopaenia; polycythaemia vera; erythroleukaemia; also other blood abnormalities such as the effects of radiation treatment, infection with human immune